

Rio Americano High School AP Physics 1

AP1.08 Rotation

[1/24/19]

1. M 1/28 – Another Universe of Motion

__Springboard: A New Kind of Motion
__Read Guide: Rotational Kinematics
__Examples: Rotational Kinematics
__Complete Q&P < >

2. T 1/29 – Balanced Torques

__Experiment: A Question of Balance
__Complete Q&P < >

3. W 1/30 – Balanced Torques

__Experiment: A Question of Balance
__YouTube Skepticism: Power Balance
__LabQuiz
__Complete Q&P < >

4. r 1/31 – Torque

__Activity: It's All In the Wrist
__Springboard: Torque
__Read Guide: Rotational Dynamics I
__Complete Q&P < >

5. F 2/1 – Rotational Inertia

__Activity: Twin-Baton Paradox
__Complete Job: Screwdriver
__Complete Q&P < >

6. M 2/4 – Cons. of Momentum

__Lab: Sit of It and Rotate! [Baird-Rio version]
__Complete Q&P < >

7. B1 2/5 - YouTube Physics

__LabQuiz
__YouTube Physics: *Danny MacAskill April 2009*
__Complete Q&P < >

8. B2 2/6 – Momentum and Energy

__Springboard: Intro to Angular Momentum
__Read Guide: Rotational Dynamics II and III
__Complete Q&P < >

9. r 2/7 – Walker, Physics Ranger

__Kinetic Karnival: *Rotation* (part 2)
__YouTube Physics: Ultimate Backyard Water Slide

10. F 2/8 – Wrap Up

AP1.07 FR Review
TCM AP1.07: Momentum?

11. M 2/11 – Test AP1.08: Rotation

Essentials of College Physics Textbook: Chapter 8: Rotational Equilibrium and Rotational Dynamics

Hewitt Drew It! Screencasts (phyz.org/hewittdrewit) MECHANICS: Rotational Motion — Episodes 39-43

Make Up Unit Test AP1.07 as soon as possible; no later than Friday, 2/1. AP make up tests are administered after school only.